PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE see form PCT/ISA/220 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) Applicant's or agent's file reference FOR FURTHER ACTION see form PCT/ISA/220 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/GB2004/003677 27.08.2004 29.08.2003 International Patent Classification (IPC) or both national classification and IPC B29D11/00 Applicant VISAQ LIMITED This opinion contains indications relating to the following items: 1. ☑ Box No. I Basis of the opinion Box No. II Priority ☑ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement ☐ Box No. VI Certain documents cited ☐ Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. 3. Name and mailing address of the ISA: **Authorized Officer**

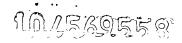
Europe

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International application No. PCT/GB2004/003677

_		APRONITO DE 27 FEB 2006
_	Box	
1.	. With I	regard to the language , this opinion has been established on the basis of the international application in nguage in which it was field, unless otherwise indicated under this item.
		this opinion has been established on the basis of a translation from the original language into the following anguage , which is the language of a translation furnished for the purposes of international search under Rules 12.3 and 23.1(b)).
2.	With r	egard to any nucleotide and/or amino acid sequence disclosed in the international application and sary to the claimed invention, this opinion has been established on the basis of:
	a. type	e of material:
		a sequence listing
		table(s) related to the sequence listing
	b. form	nat of material:
		in written format
		in computer readable form
	c. time	of filing/furnishing:
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3. í	co	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto s been filed or furnished, the required statements that the information in the subsequent or additional poies is identical to that in the application as filed or does not go beyond the application as filed, as poropriate, were furnished.
4. /	Addition	nal comments:

International application No. PCT/GB2004/003677

В	ox No. II	Priority
1. 🛭	The fo	llowing document has not been furnished:
	⋈	copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)).
		translation of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(b)).
	Conse	quently it has not been possible to consider the validity of the priority claim. This opinion has neless been established on the assumption that the relevant date is the claimed priority date.
2. 🗆		pinion has been established as if no priority had been claimed due to the fact that the priority claim en found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international ate indicated above is considered to be the relevant date.
3. Add	ditional o	bservations, if necessary:

International application No. PCT/GB2004/003677

	ox No. III Non-establishment	of o	oinlon with regard to novelty, inventive step and industrial					
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:								
	the entire international application,							
\boxtimes	☑ claims Nos. 17-23							
be	because:							
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):							
×	· · · · · · · · · · · · · · · · · · ·							
	see separate sheet							
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.							
\boxtimes	no international search report has been established for the whole application or for said claims Nos. 17-23							
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:							
	the written form		has not been furnished					
			does not comply with the standard					
	the computer readable form		has not been furnished					
			does not comply with the standard					
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.							
	See separate sheet for further of	details	3					

International application No. PCT/GB2004/003677

	ick of unity of invention		
1. ☐ In response	to the invitation (Form	PCT/ISA/20	06) to pay additional fees, the applicant has:
☐ paid	additional fees.		
☐ paid	additional fees under p	rotest.	
⊠ not p	oaid additional fees.		
2. This Authorit the applicant	ty found that the require t to pay additional fees.	ement of un	nity of invention is not complied with and chose not to invite
3. This Authority co	nsiders that the require	ment of un	ity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
☐ complied with			
□ not complied v	with for the following rea	asons:	
see separate	e sheet		
4. Consequently, thi	is report has been estal	olished in r	respect of the following parts of the international application:
☐ all parts.			
	ing to claims Nos. 1-7		
	and the committee of the		
Box No. V Rea	asoned statement und	er Rule 43	Shis 1(a)(i) with regard to povelty investige at
Box No. V Rea industrial applica	asoned statement und ability; citations and e	er Rule 43 explanation	Bbis.1(a)(i) with regard to novelty, inventive step or ns supporting such statement
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Statement	Yes:	Claims	ns supporting such statement
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see separate sheet





WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2004/003677

Re Item IV.

The separate inventions/groups of inventions are:

1-7

A method of moulding contact lenses comprising initiating curing whilst a pathway is open between the moulding cavity and the reservoir.

17-19

Apparatus for moulding a contact lens including a timing means and a triggering means 20-23

Apparatus for moulding contact lenses comprising an oven with rollers wherein at least one roller is vertically displaced upwardly of the others.

They are not so linked as to form a single general inventive concept (Rule 13.1 PCT) for the following reasons:

The application concerns a method and apparatus for moulding contact lenses. First regarding clarity and support. The insertion means of claim 8 has no technical features, nor are any apparent from the description. Also the reservoir is a result achieved during use of the male and female moulds. The insertion means appears indeterminate and the insertion may even be done by hand. Similarly the ram means is any means which can be used to apply a force to the mould assembly- that this is done from a second position and to form a reservoir are results and features of the use of the apparatus.

The reasons for which the present application has been deemed to contain 3 inventions which are not linked such that they form a single general inventive concept, as required by Rules 13.1, 13.2 and 13.3, PCT are as follows:

The prior art has been identified as: US-A-4284399

For claim 8 this discloses male and female moulds (which in any case have ben inserted to form a reservoir) (see figs. 1 and 2) and a ram means (see the "weight" in col. 2 lines 26 to 31). The features of claims 9-16 are either not novel or design alternatives which would be usual practice for a skilled man. The steps (a),(b), (c), (f),(g) of claim 1 are disclosed. Similar arguments apply to the other documents in the search report.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2004/003677

Invention I:

From which analysis follows that the following technical features of claim 1 can be seen to make a contribution over this prior art (Special Technical Features (S.F.), (Rule 13.2 PCT)):

- -initiating curing whilst keeping the pathway open
- -applying the external force to insert the male mould further into the female mould to close the cavity

From these S.F. the objective problem to be solved by the 1st invention can be construed as:

to provide a method which enables reduction of gas bubble imperfections in the final lens

Invention II:

From a comparison of the disclosure of this prior art and the technical features of claim 17-19 the following features can be seen to make a contribution over this prior art (Special Technical Features (S.F.), (Rule 13.2 PCT)):

a timing means, a triggering means

From these, the objective problem to be solved can be construed as:

to provide an apparatus which reduces variation in the finished lenses due to variation in curing times.

Invention 3:

From a comparison of the disclosure of this prior art and the technical features of claim 20-23 the following features can be seen to make a contribution over this prior art (Special Technical Features (S.F.), (Rule 13.2 PCT)):

a row of rollers wherein at least one roller is displaced vertically upwardly of the others.

From these, the objective problem to be solved can be construed as:

to provide an apparatus which guides the tray through the oven.

The above analysis shows that the special technical features of invention I are neither the same as nor corresponding to those of invention II nor the same as or corresponding to those of invention 3.

In conclusion, therefore, the 3 groups of claims are not linked by common or corresponding special technical features and define 3 different inventions not linked by a single general inventive concept.

The application, hence does not meet the requirements of Unity of Invention as defined in Rules 13.1 & 13.2 PCT.

Re Item V.

- 1 The following documents are referred to in this communication:
 - D1: US 4 284 399 A (NEWCOMB PAUL D ET AL) 18 August 1981 (1981-08-18)
 - D2: GB 2 191 144 A (COOPERVISION OPTICS) 9 December 1987 (1987-12-09)
 - D3: US 5 143 660 A (HAMILTON RONALD S ET AL) 1 September 1992 (1992-09-01)
 - D4: WO 93/04848 A (BAUSCH &; LOMB) 18 March 1993 (1993-03-18)

2 INDEPENDENT CLAIM 1

2.1 The subject-matter of independent claim 1 differs from D1 : see Item IV above.

The subject-matter of claim 1 is therefore novel (Article 33(2) PCT)
The problem to be solved by the present invention may be regarded as:
to provide a method which enables reduction of gas bubble imperfections in
the final lens

The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

the non disclosed steps (d) and (e) enable gas is able to escape during polymerisation hence reducing bubbles in the final product. This is not hinted or taught in the prior art.

Claims 2-7 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

2.2 Similar arguments apply to D2,D3 and D4 for both independent claim 1 and dependent claims 2-7. Not that the compression chamber of D* applies a force to the moulds and is, therefore, a ram means. Also even it would be argued that some documents disclose a female mould into a male mould this juxtaposition would be an obvious alternative to a skilled man.

Re Item VII.

- For Articles 5 and 6 PCT see Item IV above. The insertion means is not defined in the application and the features of the male and female moulds enabling the formation of the reservoir are not in the claims.
- 2 Also claims 24 and 25 do not contain any technical features and are not allowable.